Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/19/2018 09:37 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124241	-1	1.45	124252	1.47
Blue	F	SSC	125000	123463	-2	2.14	124063	2.16
Blue	E	FITC	15760	15393	-3	3.09	333	22.95
Blue	D	PE	25880	25193	-3	2.14	546	17.02
Blue	B	PerCP-Cy5-5	34075	33697	-2	4.23	1034	22.78
Blue	A	PE-Cy7	22776	23131	1	7.25	561	44.15
Red	C	APC	42488	41817	-2	2.70	1581	13.15
Red	A	APC-Cy7	24478	24082	-2	2.76	832	12.79
Violet	B	V450	6304	6096	-4	4.11	366	16.87
Violet	A	V500	26005	25286	-3	3.74	599	12.62

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20480	6.15	608	11	N/A	N/A	Pass
Blue	F	SSC	56602	1.47	573	18	N/A	N/A	Pass
Blue	E	FITC	58	74.13	562	6	0.0147	156	Pass
Blue	D	PE	112	58.57	555	6	0.1221	280	Pass
Blue	B	PerCP-Cy5-5	198	54.29	653	6	0.0072	46	Pass
Blue	A	PE-Cy7	111	107.49	707	10	0.0094	23	Pass
Red	C	APC	377	27.34	600	0	0.0204	117	Pass
Red	A	APC-Cy7	203	27.42	569	-2	0.0047	542	Pass
Violet	B	V450	63	68.43	491	2	0.0248	1924	Pass
Violet	A	V500	89	44.56	508	2	0.0147	1239	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.95	-31.42	0.98
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.39
Red	18.33	13.60 - 20.40	N/A	N/A	31.23	31.85	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 13889

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments